

**WHAT IS CLAIMED IS:**

1. An apparatus for managing an address book in a portable wireless terminal, the apparatus comprising:
  - 5       a radio frequency identification (RFID) recognition section for receiving information transmitted from an RFID chip after transmission of an electric wave, storing and reading received information, and converting read information into data suitable for an address book;
  - a display section for displaying data for management of the address book;
  - 10       a user command input section for inputting a command for e address book management by a user;
  - an address book storage section for storing information; and
  - a control section for controlling an operation of the RFID recognition section, so as to transmit the converted data to the address book storage section
  - 15       according to a user command, thereby storing the data.
  
2. The apparatus as claimed in claim 1, wherein the RFID recognition section comprises:
  - an antenna;
  - 20       an electric wave transmission section for generating the electric wave for operating the RFID chip to transmit the electric wave through the antenna;
  - an electric wave control section for controlling the electric wave transmission section to transmit the electric wave having a frequency and an intensity corresponding to the RFID chip;
  - 25       an electric wave reception section for receiving information transmitted from the RFID chip through the antenna;
  - a memory for storing information received in the electric wave reception

section;

an ID reading section for analyzing digitized information stored in the memory to read out digitized information as private information; and

a data conversion section for converting information read by the ID reading  
5 section into data suitable for the address book.

3. The apparatus as claimed in claim 2, wherein the electric wave reception section includes an amplification section for amplifying the electric wave when the received electric wave has a weak intensity.

10

4. The apparatus as claimed in claim 2, wherein the electric wave reception section includes an error detection section for detecting an error when the received electric wave has the error.

15

5. The apparatus as claimed in claim 2, wherein the electric wave reception section includes an amplification section for amplifying the electric wave when the received electric wave has a weak intensity, and an error detection section for detecting an error when the received electric wave has the error.

20

6. An apparatus for managing an address book in a portable wireless terminal, the apparatus comprising:

an RFID recognition section for receiving information transmitted from an RFID chip after transmission of an electric wave, and storing and reading received information;

25

a data conversion section for converting read information into data suitable for an address book;

a display section for displaying data for management of the address book;

a user command input section for inputting a command for address book management by a user;

an address book storage section for storing information; and

a control section for controlling an operation of the RFID recognition section, so as to transmit the converted data to the address book storage section according to a user command, thereby storing the data.

7. An apparatus for managing an address book in a portable wireless terminal, the apparatus comprising:

10 an RFID recognition section external to the terminal for receiving information transmitted from an RFID chip after transmission of an electric wave, storing and reading the received information, and converting read information into data suitable for an address book;

a display section for displaying data for management of the address book;

15 a user command input section for inputting a command for address book management by a user;

an address book storage section for storing information; and

a control section for controlling an operation of the RFID recognition section, so as to transmit the converted data to the address book storage section according to a user command, thereby storing the data.

8. The apparatus as claimed in claim 7, wherein the data converted by the external RFID recognition section are transmitted to the terminal through an ear phone jack.

25

9. The apparatus as claimed in claim 8, wherein the data converted by the external RFID recognition section are transmitted to the terminal through a universal

asynchronous serial receiver and transmitter.

10. A method for managing an address book in a portable wireless terminal, the method comprising the steps of:

- 5           a) transmitting an electric wave for an RFID recognition to an RFID chip;
- b) determining whether RFID information, which is transmitted from the RFID chip, is received after the electric wave is transmitted;
- c) storing information in a memory when received RFID information is related to an address book registration;
- 10          d) converting information stored in the memory into data suitable for an address book of a corresponding portable terminal;
- e) displaying the converted data in a display section of the terminal to ask a user whether or not the converted data are data to be registered in the address book; and
- 15          f) storing the converted data in an address book storage section when the user wants to register the converted data.

11. The method as claimed in claim 10, further comprising a step of determining whether the wireless terminal is in an RFID reception mode, and  
20 performing step a) when the wireless terminal is in an RFID reception mode.

12. The method as claimed in claim 10, wherein step e) includes a substep of a user viewing information displayed in the display section to modify data by using a key input section.

25

13. The method as claimed in claim 10, wherein the step of storing information includes the step of determining whether or not received information is

information related to the address book registration, and the determining step is performed by detecting a code recorded in a header part of a transmission frame.

14. An apparatus for managing an address book in a portable wireless  
5 terminal, the apparatus comprising:

a display section for displaying data for management of an address book;

a user command input section for inputting a command for address book  
management by a user;

an address book storage section for storing information;

10 a portable wireless terminal including a control section for receiving data  
from an external device and enabling the received data to be stored in the address  
book storage section according to the user's request;

an RFID recognition section for receiving information transmitted from an  
RFID chip receiving an electric wave after transmission of the electric wave, and  
15 storing and reading received information; and

a data conversion section for converting information read by the RFID  
recognition section into data, which are suitable for the portable wireless terminal,  
thereby transmitting the converted information to the control section of the portable  
wireless terminal.

20

15. The apparatus as claimed in claim 14, wherein the data converted by the  
data conversion section are transmitted through an ear phone jack.

16. The apparatus as claimed in claim 14, wherein the data converted by the  
25 data conversion section are transmitted through a universal asynchronous serial  
receiver and transmitter.